UC Berkeley

Joshua Blumenstock  School of Information  Evaluating Community Cellular Networks: How Does Mobile Connectivity Affect Isolated Communities?

Carl Boettiger  Environmental Science, Policy, and Management  Big Data, Big Uncertainty: Ecological Decision Theory for the 21st Century

Anne Collins  Psychology  Learning value from goals

Danika Cooper  Landscape Architecture and Environmental Planning  Waving a Magic Wand: Contemplating the Future of Water Management in Phoenix, Arizona

William Fithian  Statistics  Interactive Data Analysis and Replicability

Sanjam Garg  Electrical Engineering and Computer Sciences  Towards Cryptography from Minimal Assumptions
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<tr>
<th>Name</th>
<th>Field</th>
<th>Project Title</th>
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<tr>
<td>Laura Lammers</td>
<td>Environmental Science, Policy, and Management</td>
<td>Optimizing phosphorus recovery and reuse for agrifood sustainability</td>
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<tr>
<td>Arthur Middleton</td>
<td>Environmental Science, Policy, and Management</td>
<td>Evaluating patterns of puma predation to reduce human-wildlife conflicts in Patagonia</td>
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<tr>
<td>Raluca Ada Popa</td>
<td>Electrical Engineering and Computer Sciences</td>
<td>Enabling collaborative analytics on private data</td>
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<td>Avani Sood</td>
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<td>What’s So Special About General Verdicts? Experimentally Exploring the Legal and Psychological Consequences of Special Versus General Verdicts in Criminal Law</td>
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<td>Mahesh Srinivasan</td>
<td>Psychology</td>
<td>Reasoning about Religious Norms</td>
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<tr>
<td>Hayden Taylor</td>
<td>Mechanical Engineering</td>
<td>Processes for manufacturing 3D structures in very soft polymeric materials</td>
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</table>
Dan Weisz  Astronomy  *Uncovering the Origin of the Elements*

Emily Zazulia  Music  *Theorizing Difficulty in Late-Medieval Music*

**UC Davis**

Katherine Eriksson  Economics  *Mortality and migration in the early 20th century USA: Infants and cities*

Ryan Finnigan  Sociology  *How effectively do reporting-pay laws limit work schedule variability?*

Seongkyu Lee  Mechanical & Aerospace Engineering  *Toward quiet transformative electrical vertical aircraft*
Alejandro Martinez  Civil & Environmental Eng  *Enhanced harvesting of clean renewable geothermal energy enabled by soil treatment*

Sarah (Sabbie) Miller  Civil & Environmental Eng  *Bio-inspired geometries to advance sustainable plastics*

Frances Moore  Environmental Science & Policy  *Quantifying the costs of ecosystem damages from climate change for improved climate policy analysis*

Crisitna Moya  Anthropology  *The origins and spread of ritual*

David Olson  Chemistry  *Cellular methods for determining hallucinogenic potential*

Justin Spence  Native American Studies  *PE Goddard's unpublished Hupa texts: Translation, analysis, and publication*
Rachel Vannette  Entomology & Nematology  Characterizing the structure and function of pollinator microbiomes

Jiayi Young  Design  What does the bot say to the human? Data mapping presidential election social media activity

UC Irvine

Constance Iloh  Education  The Trajectories and Challenges of ‘Some College Experience, No Degree’
Returning Adult Students

Ana Muñiz  Criminology, Law & Society  Digital Border-Building Through Gang Classification
Completion and production of Gendering Reform, Networking Feminism: Women’s Rights Activism in Iran and the Diaspora and support for

Catherine Sameh  Gender & Sexuality Studies  2nd book project on Transnational Feminist Responses to Islamophobia

Tingting Nian  Business  Gender Bias in Online Tech World

Jaeho Lee  Mechanical & Aerospace Engineering  Bio-Inspired Emitters for Dynamic Surface Cooling and All-Day Clean Water Generation
Stephen Mahler  Neurobiology & Behavior  *Long-Lasting Reward Circuit Changes Caused by Adolescent Exposure to Cannabinoid Drugs*

Nicholas Marantz  Urban Planning & Public Policy  *The Political Economy of Apartment Housing in Coastal California*
2018 University of California Hellman Fellows

UCLA

Daniele Bianchi  Atmospheric and Oceanic Sciences  *Acoustics Illuminates the California Current Ecosystem*

Stephanie Bosch  Comparative Literature  *The World in Short: Form, Media, and African Literature*

Karida Brown  Sociology/African American Studies  *The Origins of Racial Inequality in Education*

Molly Fox  Anthropology/Psychiatry and Biobehavioral Sciences  *Women's Pregnancy History and Alzheimer's-Related Immunoregulatory Deficiency*

Jana Gallus  Management  *Feedback and Worker Motivations in Online Labor Marketplaces*

Ximin He  Materials Science and Engineering  *Enhanced Purified Water Production by Artificial Phototropic Solar Vapor Generator*
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<tr>
<td>Jocelyn Ho</td>
<td>Music</td>
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<td>Jungseock Joo</td>
<td>Communication</td>
<td>Fake News and Misinformation: Media Credibility and News Believability</td>
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<td>Aliza Luft</td>
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<td>Sacred Treason: How French Bishops Defected from Vichy to Save Jews during the Holocaust</td>
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<td>Vadim Shneyder</td>
<td>Slavic, East European &amp; Eurasian Languages and Cultures</td>
<td>Russia's Capitalist Realism: Historical Change and Narrative Form in Dostoevsky, Tolstoy, and Chekhov</td>
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<td>Ellen Sletten</td>
<td>Chemistry and Biochemistry</td>
<td>A General Carrier for Biotherapeutics</td>
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<td>Courtney Thomas</td>
<td>Community Health Sciences</td>
<td>The Racial Self-Awareness Framework of Race-Based Stress, Coping, and Health: A New Approach to Evaluate the Biopsychosocial Pathways to Health among African Americans</td>
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Felipe Zapata  
Ecology and Evolutionary Biology  
*Studying the Speciation Continuum: Testing Hypotheses about the Origin and Evolution of Species*

**UC Merced**

Anand Subramaniam  
Engineering  
*Deciphering the mechanism of formation of vesicles on cellulose paper and engineering artificial red blood cells*

Benjamin Stokes  
Chemical Sciences  
*Sustainable Methods to Construct Pharmaceutically Relevant Congested C-C Bonds*

Justin Cook  
Economics  
*Mapping and Digitizing Historic Civilization Borders*

Stephen Wooding  
Public Health  
*Genetics and domestication of cassava (Manihot esculenta) a key Amazonian crop*
Jiasi Chen  
Computer Science & Engineering  
*Deep learning for augmented reality on mobile devices*

Jody Benjamin  
History  
*The Texture of Change: Cloth, Commerce and History in Western Africa, 1700-1850*

Laura Sales  
Physics And Astronomy  
*Diffuse Stellar Halos as Cosmological Time Machines*

Liz Przybylski  
Music  
*A New Song: Musical Performance as Aesthetic Action*

Quinn Mcfrederick  
Entomology  
*Pollinator Protection via the study of Symbiosis*

Sara Becker  
Anthropology  
*Motion Capture Computer Modelling Ancient Labor Practices*
William Dunlop  Psychology  Mapping the Personality of Young Adult Moral Exemplars

UC San Diego

Patty Ahn  Communication  Black/Korea

Erik Carlson  Music  Webern Variations recording project

Erica Cho  Visual Arts  Beautiful Stories (short narrative film series)

Sergey Kryazhimskiy  Ecology/Behavior & Evolution  Predicting Adaptive Evolution in a Microbe
Arun Kumar

Cse

A Declarative, High-Throughput, and Reproducible Model Selection Framework for Deep Neural Networks

Johathan Novak

Mathematics

New Mathematical Methods for the Analysis of Complex Systems

Jeremie Palacci

Physics

Tunable Structural Pigments for Smart Fabrics using Non-Equilibrium Interactions

Lauren Prather

Global Policy And Strategy

From Monitoring to Meddling: How Foreign Actors Shape Local Trust in Elections

Stephanie Richards

Music

Scratch & Sniff: The Stephanie Richards Quartet

Caren Walker

Psychology

Diversity in Learning Contexts and the Emergence of Abstract Reasoning
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<th>Name</th>
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<td>Brian Zid</td>
<td>Chem/Biochem</td>
<td>The Role of RNA/Protein Mislocalization During Aging</td>
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<td>UC Santa Barbara</td>
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<td>Elizabeth Chrastil</td>
<td>Geology</td>
<td>Individual differences in navigation ability as an early marker for mental disorders</td>
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<td>Erika Eliason</td>
<td>Ecology, Evolution, and Marine Biology</td>
<td>Can diet mediate environmental tolerance limits?</td>
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<td>Matto Mildenberger</td>
<td>Political Science</td>
<td>Prospects for climate risk mitigation in a post-Paris world</td>
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<td>David Lawson</td>
<td>Anthropology</td>
<td>Understanding Men's Incentives for Women's Empowerment: Testing predictions from sexual conflict theory in Tanzania</td>
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Lal Zimman  
Linguistics  
The Language of Latinx, Chicanx & Indigenous Trans Identities in México & California

Joseph Balnkholm  
Religion  
"Purely Secular: Organized Nonbelievers and the Negated Tradition"